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## JP6192874A: REFINING METHOD FOR COBALT

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Applicant(s): JAPAN ENERGY CORP  
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Application Number: JP1992000357367  
IPC Class: C25C 001/08; C22C 019/07;

Abstract: **Purpose:** To obtain an extremely high purity cobalt suitable for applications such as a target or the like.  
**Constitution:** The purified cobalt is electrolytically refined by electrodepositing on a cathode plate by using a crude cobalt as an anode and a cobalt sulfate aq. solution as an electrolyte in the electrolysis condition of pH 1-3, 40-160g/l cobalt content and 0.001-0.1A/cm<sup>2</sup> current density. Nickel or iron content in the electrodeposited cobalt is reduced to 1ppm, particularly 0.5ppm. The average conc. of nickel and iron in the cobalt sulfate aq. solution are respectively controlled to preferably 1.3mg/l and 0.1mg/l.  
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Foreign References: none

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